

## A B S T R A C T

The invention relates to a cable having a substantially gastight metal tube receiving at least one optical conductor and a hydrogen-absorbent substance. 5 The inside face of the tube is covered with a layer of a catalyst substance such as nickel or chromium for catalyzing the reaction whereby the hydrogen-absorbent substance absorbs hydrogen. Said layer is itself covered 10 with at least one layer of hydrogen-absorbent substance which constitutes a filler material for filling the tube, or which merely forms a layer deposited on the layer of catalyst substance.